THE DISTILLATION OF

tis allegation. Before, how
s found, one should invest
these gases admits of on
the previously-given meth

drawn up w
made of the
hydrogen o
determinati
else.

With this
which are r
and 1 cubi
products of

From C_2H_2
and atomic
the gas, it
metres O

vapour, or
metres (CO_2
ascertains i
O=1 cubic

From th
combustion

h, one must know the q
d for the combustion of
es CH_4, and equally on

$H=2(CO_2+2H_2O)$ and the e
ts, as well as the weights
s that 22·3 cubic metre
cubic metres $CO_2+4·46$
ic metres C_2H_2+3 cubic

like metres H_2O vapour
same way, 1 cubic metre
$(CO_2+2$ cubic metres H_2 (
nd formula (12) and (
ulated as follows: -

	CO_2 required.	CO_2 produced.
	9·2 × 2	6·2
	17·1 × 1	23·7
	26·0	29·9
	4·4 × 1	8·8
		4·0

	CO_2
	11·7

	Required gas
	C_2H_2 = 4·6
	CH_4 = 17·1
	21·7
	12·6
	8·8
	1·8
	3·5

	Gas required
	C_2H_2 = 4·6
	CH_4 = 17·1
	21·7
	12·6
	8·8
	1·8
	3·5